

WHAT IS CLAIMED IS:

1. A light emitting device comprising:

an electroluminescent element using a luminescent material in which
5 electroluminescence is obtained by triplet excitation; and
a semiconductor component electrically connected to the electroluminescent
element.

2. A device according to claim 1, wherein the semiconductor component is a
10 TFT.

3. An electrical appliance using a light emitting device according to claim 1.

4. A portable telephone using a light emitting device according to claim 1.

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5. A digital camera using a light emitting device according to claim 1.

6. An audio equipment using a light emitting device according to claim 1.

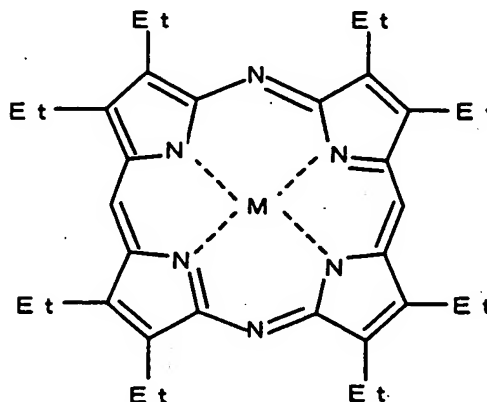
20 7. A wireless portable equipment using a light emitting device according to claim
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8. A light emitting device comprising:

a semiconductor component; and
25 an electroluminescent element electrically connected to the semiconductor

component,

wherein the electroluminescent element includes a thin film made of a luminescent material expressed by a following formula:



wherein Et represents ethyl group; and M represents element belonging to group 8 to 10 of the periodic table.

9. A device according to claim 8, wherein said M is an element selected from the group consisting of nickel, cobalt and palladium.

10. A device according to claim 8, wherein the luminescent material is a metal complex containing an element selected from the group consisting of nickel, cobalt and palladium.

11. A device according to claim 8, wherein the luminescent material is an organic compound containing an element selected from the group consisting of nickel, cobalt and palladium.

12. A device according to claim 8, wherein the semiconductor component is a TFT.

13. An electrical appliance using a light emitting device according to claim 8.

14. A portable telephone using a light emitting device according to claim 8.

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15. A digital camera using a light emitting device according to claim 8.

16. An audio equipment using a light emitting device according to claim 8.

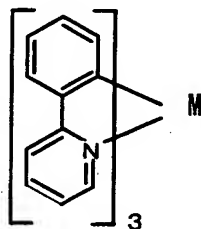
10 17. A wireless portable equipment using a light emitting device according to claim 8.

18. A light emitting device comprising:

a semiconductor component; and

15 an electroluminescent element electrically connected to the semiconductor component,

wherein the electroluminescent element includes a thin film made of a luminescent material expressed by a following formula:



25 wherein Et represents etyl group; and M represents element belonging to group 8 to 10 of the periodic table.

19. A device according to claim 18, wherein said M is an element selected from the group consisting of nickel, cobalt and palladium

5 20. A device according to claim 18, wherein the luminescent material is a metal complex containing an element selected from the group consisting of nickel, cobalt and palladium.

21. A device according to claim 18, wherein the luminescent material is an organic
10 compound containing an element selected from the group consisting of nickel, cobalt and palladium.

22. A device according to claim 18, wherein the semiconductor component is a TFT.

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23. An electrical appliance using a light emitting device according to claim 18.

24. A portable telephone using a light emitting device according to claim 18.

20 25. A digital camera using a light emitting device according to claim 18.

26. An audio equipment using a light emitting device according to claim 18.

27. A wireless portable equipment using a light emitting device according to claim
25 18.

28. A light emitting device comprising:

an electroluminescent element using a luminescent material in which electroluminescence is obtained by triplet excitation; and

a thin film transistor electrically connected to the electroluminescent element,

wherein a voltage applied to the electroluminescent element through the thin film transistor is 4 to 6 V.

29. An electrical appliance using a light emitting device according to claim 28.

30. A portable telephone using a light emitting device according to claim 28.

31. A digital camera using a light emitting device according to claim 28.

32. An audio equipment using a light emitting device according to claim 28.

33. A wireless portable equipment using a light emitting device according to claim 28.

34. A light emitting device comprising:

an electroluminescent element using a luminescent material in which electroluminescence is obtained by triplet excitation;

a thin film transistor electrically connected to the electroluminescent element;

a source signal line; and

a power supply line connected to a source side of the thin film transistor,
wherein a voltage of the power supply line is 4 to 6 V.

35. An electrical appliance using a light emitting device according to claim 34.

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36. A portable telephone using a light emitting device according to claim 34.

37. A digital camera using a light emitting device according to claim 34.

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38. An audio equipment using a light emitting device according to claim 34.

39. A wireless portable equipment using a light emitting device according to claim

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